

REMARKS

Claim Amendments

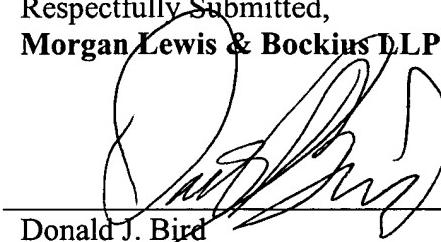
Applicants have elected the invention of Group I, drawn compounds of claim 1 wherein Q is phenyl or naphthalene. The claims have been amended above to limit their scope to the elected invention, without prejudice or waiver of applicants' right to pursue the remaining subject matter in one or more divisional applications.

The Examiner has called attention to a compound reported in a Japanese patent of Ito, JP 4-177350 A2. In order to expedite the prosecution of this application, claim 1 has been amended to remove "aryl amino" from the definition of R⁴ in claim 1, thereby avoiding any possible overlap between the Ito disclosure and the present claims.

"Use" claim 11 has been cancelled and replaced by method of treatment claim 12. Support for claim 12 is found, *inter alia*, at page 49, lines 15-18.

Following entry of the above amendments, claims 1-3, 5-6, 8-10 and 12 are pending in this application. These claims are now believed to be limited in scope to the elected invention, proper in form in all respects and free of the prior art of record. Accordingly, entry of these amendments and a favorable action on the merits are respectfully requested.

Respectfully Submitted,
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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES

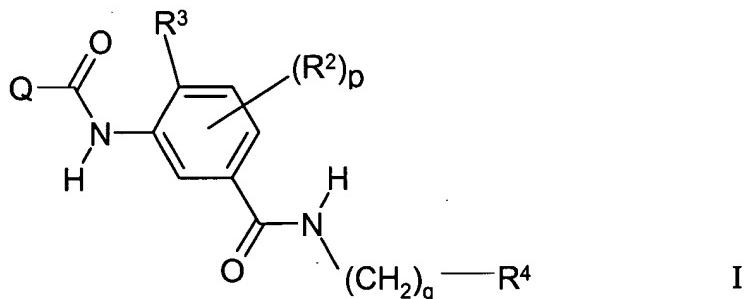
IN THE CLAIMS:

Claims 4, 7 and 11 have been cancelled, without prejudice.

New method of treatment claim 12 has been added.

Claims 1 and 8 have been amended as follows, wherein added material is shown by **bold underline**, and deleted material is shown [in **bold** within brackets]:

1. (Amended) An amide derivative of the Formula I



wherein

R³ is (1-6C)alkyl or halogeno;

Q is **phenyl or naphthyl [aryl or heteroaryl]** which optionally bears 1, 2, 3 or 4 substituents selected from

hydroxy, halogeno, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, (1-6C)alkyl, (2-6C)alkenyl, (2-6C)alkynyl, (1-6C)alkoxy, (1-3C)alkylenedioxy, (1-6C)alkylthio, (1-6C)alkylsulphanyl, (1-6C)alkylsulphonyl, (1-6C)alkylamino, di-[(1-6C)alkyl]amino, (1-6C)alkoxycarbonyl, **N**-(1-6C)alkylcarbamoyl, **N,N**-di-[(1-6C)alkyl]carbamoyl, (2-6C)alkanoyl, (2-6C)alkanoyloxy,

(1-6C) alkanoylamino, N-(1-6C) alkylsulphamoyl, N,N-di-[(1-6C) alkyl]sulphamoyl,
(1-6C) alkanesulphonylamino, N-(1-6C) alkyl-(1-6C) alkanesulphonylamino,
halogeno-(1-6C) alkyl, hydroxy-(1-6C) alkyl, (1-6C) alkoxy-(1-6C) alkyl,
cyano-(1-6C) alkyl, amino-(1-6C) alkyl, (1-6C) alkylamino-(1-6C) alkyl,
di-[(1-6C) alkyl]amino-(1-6C) alkyl, carboxy-(1-6C) alkyl,
(1-6C) alkoxycarbonyl-(1-6C) alkyl, carbamoyl-(1-6C) alkyl,
N-(1-6C) alkylcarbamoyl-(1-6C) alkyl, N,N-di-[(1-6C) alkyl]carbamoyl-(1-6C) alkyl,
halogeno-(2-6C) alkoxy, hydroxy-(2-6C) alkoxy, (1-6C) alkoxy-(2-6C) alkoxy,
cyano-(1-6C) alkoxy, carboxy-(1-6C) alkoxy, (1-6C) alkoxycarbonyl-(1-6C) alkoxy,
carbamoyl-(1-6C) alkoxy, N-(1-6C) alkylcarbamoyl-(1-6C) alkoxy,
N,N-di-[(1-6C) alkyl]carbamoyl-(1-6C) alkoxy, amino-(2-6C) alkoxy,
(1-6C) alkylamino-(2-6C) alkoxy, di-[(1-6C) alkyl]amino-(2-6C) alkoxy,
halogeno-(2-6C) alkylamino, hydroxy-(2-6C) alkylamino,
(1-6C) alkoxy-(2-6C) alkylamino, cyano-(1-6C) alkylamino, carboxy-(1-6C) alkylamino,
(1-6C) alkoxycarbonyl-(1-6C) alkylamino, carbamoyl-(1-6C) alkylamino,
N-(1-6C) alkylcarbamoyl-(1-6C) alkylamino,
N,N-di-[(1-6C) alkyl]carbamoyl-(1-6C) alkylamino, amino-(2-6C) alkylamino,
(1-6C) alkylamino-(2-6C) alkylamino, di-[(1-6C) alkyl]amino-(2-6C) alkylamino,
N-(1-6C) alkyl-halogeno-(1-6C) alkylamino, N-(1-6C) alkyl-hydroxy-(2-6C) alkylamino,
N-(1-6C) alkyl-(1-6C) alkoxy-(2-6C) alkylamino,
N-(1-6C) alkyl-cyano-(1-6C) alkylamino, N-(1-6C) alkyl-carboxy-(1-6C) alkylamino,
N-(1-6C) alkyl-(1-6C) alkoxycarbonyl-(1-6C) alkylamino, N-(1-6C) alkyl-carbamoyl-(1-6C) alkylamino, N-(1-6C) alkyl-N-(1-6C) alkylcarbamoyl-(1-6C) alkylamino,
N-(1-6C) alkyl-N,N-di-[(1-6C) alkyl]carbamoyl-(1-6C) alkylamino,
N-(1-6C) alkyl-amino-(2-6C) alkylamino, N-(1-6C) alkyl-(1-6C) alkylamino-(2-6C) alkylamino, N-(1-6C) alkyl-di-[(1-6C) alkyl]amino-(2-6C) alkylamino,
halogeno-(2-6C) alkanoylamino, hydroxy-(2-6C) alkanoylamino,
(1-6C) alkoxy-(2-6C) alkanoylamino, cyano-(2-6C) alkanoylamino,
carboxy-(2-6C) alkanoylamino, (1-6C) alkoxycarbonyl-(2-6C) alkanoylamino,
carbamoyl-(2-6C) alkanoylamino, N-(1-6C) alkylcarbamoyl-(2-6C) alkanoylamino,

N,N-di-[(1-6C)alkyl]carbamoyl-(2-6C)alkanoylamino, amino-(2-6C)alkanoylamino,
(1-6C)alkylamino-(2-6C)alkanoylamino, di-[(1-6C)alkyl]amino-(2-6C)alkanoylamino,
aryl, aryl-(1-6C)alkyl, aryl-(1-6C)alkoxy, aryloxy, arylamino,
N-(1-6C)alkyl-arylamino, aryl-(1-6C)alkylamino,
N-(1-6C)alkyl-aryl-(1-6C)alkylamino, aroylamino, arylsulphonylamino,
N-arylsulphamoyl, aryl-(2-6C)alkanoylamino, heteroaryl, heteroaryl-(1-6C)alkyl,
heteroaryloxy, heteroaryl-(1-6C)alkoxy, heteroarylamino,
N-(1-6C)alkyl-heteroarylamino, heteroaryl-(1-6C)alkylamino,
N-(1-6C)alkyl-heteroaryl-(1-6C)alkylamino, heteroarylcarbonylamino,
heteroarylsulphonylamino, N-heteroarylsulphamoyl, heteroaryl-(2-6C)alkanoylamino,
heterocycl, heterocycl-(1-6C)alkyl, heterocyclxy, heterocycl-(1-6C)alkoxy,
heterocyclamino, N-(1-6C)alkyl-heterocyclamino, heterocycl-(1-6C)alkylamino,
N-(1-6C)alkyl-heterocycl-(1-6C)alkylamino, heterocyclcarbonylamino,
heterocyclsulphonylamino, N-heterocyclsulphamoyl and
heterocycl-(2-6C)alkanoylamino,

and wherein any of the substituents on Q defined hereinbefore which comprise a CH₂ group which is attached to 2 carbon atoms or a CH₃ group which is attached to a carbon atom may optionally bear on each said CH₂ or CH₃ group a substituent selected from hydroxy, amino, (1-6C)alkoxy, (1-6C)alkylamino, di-[(1-6C)alkyl]amino and heterocycl;

and wherein any aryl, heteroaryl or heterocycl group in a substituent on Q may optionally bear 1 or 2 substituents selected from hydroxy, halogeno, (1-6C)alkyl, (1-6C)alkoxy, carboxy, (1-6C)alkoxycarbonyl, N-(1-6C)alkylcarbamoyl, N,N-di-[(1-6C)alkyl]carbamoyl, (2-6C)alkanoyl, amino, (1-6C)alkylamino, di-[(1-6C)alkyl]amino, halogeno-(1-6C)alkyl, hydroxy-(1-6C)alkyl, (1-6C)alkoxy-(1-6C)alkyl, cyano-(1-6C)alkyl, amino-(1-6C)alkyl, (1-6C)alkylamino-(1-6C)alkyl, di-[(1-6C)alkyl]amino-(1-6C)alkyl, aryl and aryl-(1-6C)alkyl;

R² is hydroxy, halogeno, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, (1-6C)alkoxycarbonyl, (1-6C)alkyl, (2-6C)alkenyl, (2-6C)alkynyl, (1-6C)alkoxy, (1-6C)alkylamino or di-[(1-6C)alkyl]amino;

p is 0, 1 or 2;

q is 0, 1, 2, 3 or 4; and

R⁴ is aryl, aryl-(1-6C)alkoxy, aryloxy, [arylamino,] N-(1-6C)alkyl-arylamino, aryl-(1-6C)alkylamino, N-(1-6C)alkyl-aryl-(1-6C)alkylamino, aroylamino, arylsulphonylamino, N-arylsulphamoyl, aryl-(2-6C)alkanoylamino, cycloalkyl, heteroaryl, heteroaryloxy, heteroaryl-(1-6C)alkoxy, heteroarylamino, N-(1-6C)alkyl-heteroarylamino, heteroaryl-(1-6C)alkylamino, N-(1-6C)alkyl-heteroaryl-(1-6C)alkylamino, heteroarylcarbonylamino, heteroarylsulphonylamino, N-heteroarylsulphamoyl, heteroaryl-(2-6C)alkanoylamino, heterocyclyl, heterocyclxy, heterocyclyl-(1-6C)alkoxy, heterocyclylamino, N-(1-6C)alkyl-heterocyclylamino, heterocyclyl-(1-6C)alkylamino, N-(1-6C)alkyl-heterocyclyl-(1-6C)alkylamino, heterocyclylcarbonylamino, heterocyclylsulphonylamino, N-heterocyclylsulphamoyl or heterocyclyl-(2-6C)alkanoylamino and R⁴ optionally bears 1, 2, 3 or 4 substituents selected from

hydroxy, halogeno, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, (1-6C)alkyl, (2-6C)alkenyl, (2-6C)alkynyl, (1-6C)alkoxy, (1-3C)alkylenedioxy, (1-6C)alkylthio, (1-6C)alkylsulphanyl, (1-6C)alkylsulphonyl, (1-6C)alkylamino, di-[(1-6C)alkyl]amino, (1-6C)alkoxycarbonyl, N-(1-6C)alkylcarbamoyl, N,N-di-[(1-6C)alkyl]carbamoyl, (2-6C)alkanoyl, (2-6C)alkanoyloxy, (1-6C)alkanoylamino, N-(1-6C)alkylsulphamoyl, N,N-di-[(1-6C)alkyl]sulphamoyl, (1-6C)alkanesulphonylamino, N-(1-6C)alkyl-(1-6C)alkanesulphonylamino, halogeno-(1-6C)alkyl, hydroxy-(1-6C)alkyl, (1-6C)alkoxy-(1-6C)alkyl, cyano-(1-6C)alkyl, amino-(1-6C)alkyl, (1-6C)alkylamino-(1-6C)alkyl, di-[(1-6C)alkyl]amino-(1-6C)alkyl, carboxy-(1-6C)alkyl, (1-6C)alkoxycarbonyl-(1-6C)alkyl, carbamoyl-(1-6C)alkyl, N-(1-6C)alkylcarbamoyl-(1-6C)alkyl, N,N-di-[(1-6C)alkyl]carbamoyl-(1-6C)alkyl, halogeno-(2-6C)alkoxy, hydroxy-(2-6C)alkoxy, (1-6C)alkoxy-(2-6C)alkoxy,

cyano-(1-6C)alkoxy, carboxy-(1-6C)alkoxy, (1-6C)alkoxycarbonyl-(1-6C)alkoxy,
carbamoyl-(1-6C)alkoxy, N-(1-6C)alkylcarbamoyl-(1-6C)alkoxy,
N,N-di-[(1-6C)alkyl]carbamoyl-(1-6C)alkoxy, amino-(2-6C)alkoxy,
(1-6C)alkylamino-(2-6C)alkoxy, di-[(1-6C)alkyl]amino-(2-6C)alkoxy,
halogeno-(2-6C)alkylamino, hydroxy-(2-6C)alkylamino,
(1-6C)alkoxy-(2-6C)alkylamino, cyano-(1-6C)alkylamino, carboxy-(1-6C)alkylamino,
(1-6C)alkoxycarbonyl-(1-6C)alkylamino, carbamoyl-(1-6C)alkylamino,
N-(1-6C)alkylcarbamoyl-(1-6C)alkylamino,
N,N-di-[(1-6C)alkyl]carbamoyl-(1-6C)alkylamino, amino-(2-6C)alkylamino,
(1-6C)alkylamino-(2-6C)alkylamino, di-[(1-6C)alkyl]amino-(2-6C)alkylamino,
N-(1-6C)alkyl-halogeno-(1-6C)alkylamino, N-(1-6C)alkyl-hydroxy-(2-6C)alkylamino,
N-(1-6C)alkyl-(1-6C)alkoxy-(2-6C)alkylamino,
N-(1-6C)alkyl-cyano-(1-6C)alkylamino, N-(1-6C)alkyl-carboxy-(1-6C)alkylamino,
N-(1-6C)alkyl-(1-6C)alkoxycarbonyl-(1-6C)alkylamino, N-(1-6C)alkyl-carbamoyl-(1-6C)alkylamino, N-(1-6C)alkylcarbamoyl-(1-6C)alkylamino,
N-(1-6C)alkyl-N,N-di-[(1-6C)alkyl]carbamoyl-(1-6C)alkylamino,
N-(1-6C)alkyl-amino-(2-6C)alkylamino, N-(1-6C)alkyl-(1-6C)alkylamino-(2-6C)alkylamino, N-(1-6C)alkyl-di-[(1-6C)alkyl]amino-(2-6C)alkylamino,
halogeno-(2-6C)alkanoylamino, hydroxy-(2-6C)alkanoylamino,
(1-6C)alkoxy-(2-6C)alkanoylamino, cyano-(2-6C)alkanoylamino,
carboxy-(2-6C)alkanoylamino, (1-6C)alkoxycarbonyl-(2-6C)alkanoylamino,
carbamoyl-(2-6C)alkanoylamino, N-(1-6C)alkylcarbamoyl-(2-6C)alkanoylamino,
N,N-di-[(1-6C)alkyl]carbamoyl-(2-6C)alkanoylamino, amino-(2-6C)alkanoylamino,
(1-6C)alkylamino-(2-6C)alkanoylamino, di-[(1-6C)alkyl]amino-(2-6C)alkanoylamino,
aryl, aryl-(1-6C)alkyl, aryl-(1-6C)alkoxy, aryloxy, arylamino,
N-(1-6C)alkyl-arylamino, aryl-(1-6C)alkylamino,
N-(1-6C)alkyl-aryl-(1-6C)alkylamino, aroylamino, arylsulphonylamino,
N-arylsulphamoyl, aryl-(2-6C)alkanoylamino, heteroaryl, heteroaryl-(1-6C)alkyl,
heteroaryloxy, heteroaryl-(1-6C)alkoxy, heteroarylamino,
N-(1-6C)alkyl-heteroarylamino, heteroaryl-(1-6C)alkylamino,

N-(1-6C)alkyl-heteroaryl-(1-6C)alkylamino, heteroarylcarbonylamino, heteroarylsulphonylamino, N-heteroarylsulphamoyl, heteroaryl-(2-6C)alkanoylamino, heterocyclyl, heterocyclyl-(1-6C)alkyl, heterocyclloxy, heterocyclyl-(1-6C)alkoxy, heterocyclylamino, N-(1-6C)alkyl-heterocyclylamino, heterocyclyl-(1-6C)alkylamino, N-(1-6C)alkyl-heterocyclyl-(1-6C)alkylamino, heterocyclylcarbonylamino, eterocyclylsulphonylamino, N-heterocyclylsulphamoyl and heterocyclyl-(2-6C)alkanoylamino,

and wherein any of the substituents on R⁴ defined hereinbefore which comprise a CH₂ group which is attached to 2 carbon atoms or a CH₃ group which is attached to a carbon atom may optionally bear on each said CH₂ or CH₃ group a substituent selected from hydroxy, amino, (1-6C)alkoxy, (1-6C)alkylamino, di-[(1-6C)alkyl]amino and heterocyclyl;

and wherein any aryl, heteroaryl or heterocyclyl group in a substituent on R⁴ may optionally bear 1 or 2 substituents selected from hydroxy, halogeno, (1-6C)alkyl, (1-6C)alkoxy, carboxy, (1-6C)alkoxycarbonyl, N-(1-6C)alkylcarbamoyl, N,N-di-[(1-6C)alkyl]carbamoyl, (2-6C)alkanoyl, amino, (1-6C)alkylamino, di-[(1-6C)alkyl]amino, halogeno-(1-6C)alkyl, hydroxy-(1-6C)alkyl, (1-6C)alkoxy-(1-6C)alkyl, cyano-(1-6C)alkyl, amino-(1-6C)alkyl, (1-6C)alkylamino-(1-6C)alkyl, di-[(1-6C)alkyl]amino-(1-6C)alkyl, aryl and aryl-(1-6C)alkyl;

or a pharmaceutically-acceptable salt or in-vivo-cleavable ester thereof; except that the compounds :-

N-(2-cyclohexylethyl)-3-(4-hydroxybenzamido)-4-methylbenzamide,
3-(4-aminobenzamido)-N-(4-carboxy-3-hydroxyphenyl)-4-methylbenzamide,
N-(4-carboxy-3-hydroxyphenyl)-4-methyl-3-(4-nitrobenzamido)benzamide,
3-(4-aminobenzamido)-4-methyl-N-(2-pyridyl)benzamide,
4-methyl-3-(4-nitrobenzamido)-N-(2-pyridyl)benzamide,
3-(4-aminobenzamido)-4-methyl-N-(2-thiazolyl)benzamide,
4-methyl-3-(4-nitrobenzamido)-N-(2-thiazolyl)benzamide,
3-benzamido-4-chloro-N-(2-fluoroanilino)benzamide,

3-(2-hydroxy-4-methylbenzamido)-N-(4-hydroxyphenyl)-4-methylbenzamide,
3-(3-hydroxy-2-naphthoylamino)-4-methyl-N-phenylbenzamide and
4-chloro-3-(3-hydroxy-2-naphthoylamino)-2-methyl-N-phenylbenzamide are excluded.

8. An amide derivative of the Formula I according to claim 1 selected from :-

N-(3-dimethylaminophenyl)-4-methyl-3-(4-propylbenzamido)benzamide,
3-(3,4-dimethoxybenzamido)-N-(3-dimethylaminophenyl)-4-methylbenzamide,
3-(4-butoxybenzamido)-N-(3-dimethylaminophenyl)-4-methylbenzamide,
4-chloro-N-(3-dimethylaminophenyl)-3-(4-propylbenzamido)benzamide,
3-(4-carboxybenzamido)-N-(3-dimethylaminophenyl)-4-methylbenzamide,
N-(3,4-dichlorobenzyl)-3-(3,4,5-trimethoxybenzamido)-4-methylbenzamide,
N-(2-cyclohexylethyl)-3-(3,4-dimethoxybenzamido)-4-methylbenzamide,
N-(3-dimethylaminophenyl)-4-methyl-3-(6-quinolylcarbonylamino)benzamide,
4-chloro-N-(3-dimethylaminophenyl)-3-(6-quinolylcarbonylamino)benzamide,
4-methyl-N-(3-morpholinophenyl)-3-(3-piperidin-4-yloxybenzamido)benzamide,
4-chloro-N-(3-fluoro-5-morpholinophenyl)-3-[3-(1-methylhomopiperidin-4-yloxy)benzamido]benzamide,
3-(2-diisopropylaminoethoxybenzamido)-4-methyl-N-(3-morpholinophenyl)benzamide,
3-(4-diethylaminomethylbenzamido)-4-methyl-N-(3-morpholinophenyl)benzamide,
4-methyl-3-[3-(4-methylhomopiperazin-1-ylmethyl)benzamido]-N-(3-morpholinophenyl)-benzamide, and
4-methyl-3-[3-(4-methylpiperazin-1-ylmethyl)benzamido]-N-(3-morpholinophenyl)-benzamide; and
3-[6-(2-amino-2-methylpropylamino)pyrid-3-ylcarbonylamino]-4-chloro-N-(3-fluoro-5-morpholinophenyl)benzamide;
or a pharmaceutically-acceptable salt thereof.